ABSTRACT

The invention aims to provide a rolling bearing that secures a sufficient bearing life economically even when used under such conditions that water from the outside or water formed by moisture condensation may seep into the lubricant or the bearing is affected by the vibrations, and particularly a rolling bearing suited to the electric parts and accessaries of au automobile engine, such as an alternator. To accomplish the object, the hydrogen ion exponent pH of the grease sealed into the inside of the bearing is adjusted in a range of from 7 to 13. For the same purpose, the hydrogen ion exponent pH of the grease is adjusted in a range of from 5 to 13 where a prescribed amount of an organic metal salt or ADTC is added to the grease, where a prescribed amount of an inorganic compound having an average particle size of 2 μm or smaller is added to the grease, or where a diurea compound containing an aromatic amine or a mixture of the diurea compound is added to the grease as a thickener.